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Substitute for Form 1449A/PTO

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Complete if Known

Application Number	10/602,220
Filing Date	6/23/2003
First Named Inventor	TURPEN
Art Unit	1652
Examiner Name	Delia M. RAMIREZ
Attorney Docket Number	LSBC-0087-CP07B

Sheet 1 of 3

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
DL		4,921,902	5/1/1990	HALL, et al.	
		5,316,931	5/31/1994	DONSON, et al.	
		5,401,650	3/28/1995	DESNICK, et al.	
		5,356,804	10/18/1994	DESNICK, et al.	
		5,589,367	12/31/1996	DONSON, et al.	
		5,618,699	4/8/1997	HAMAMOTO, et al.	
		5,955,647	9/21/1999	FITCHEN, et al.	
		5,977,438	11/02/1999	TURPEN, et al.	
		6,033,895	3/7/2000	GARGER, et al.	
		6,042,832	3/28/2000	KOPROWSKI, et al.	
DL		6,210,666	4/3/2001	MIYAMURA	
		6,232,099	5/15/2001	CHAPMAN, et al.	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
DL		EP 0174759	3/19/1986	JAMES, et al.		
		EP 0197809	10/15/1986	DELGRANGE, et al.		
		EP 0672754	9/20/1995	HAMAMOTO, et al.		
		EP 0726312	8/14/1996	EKEZE, et al.		
		WO 92/18618	10/29/92	LOMONOSSOFF, et al.		
		WO 95/21248	8/10/1995	FITCHEN, et al.		
		WO 96/02649	2/1/1996	LOMONOSSOFF		
		WO 96/12027	4/25/1996	CHAPMAN, et al.		
		WO 96/12028	4/25/1996	TURPEN, et al.		
		WO 97/10353	3/20/1997	RADIN, et al.		
DL		WO 97/39134	10/23/1997	WILSON, et al.		
		WO 97/49425	12/31/1997	BEEKMAN, et al.		
		WO 99/46288	9/16/1999	GARGER, et al.		

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		Group Art Unit	1652		
		Examiner Name	Delia M. RAMIREZ		
Sheet	2	of	3	Attorney Docket Number	LSBC-0087-CP07B

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	r ²
DR		BAKER, et al., "Polyethylenimine (PEI) is a simple, inexpensive and effective reagent for condensing and linking plasmid DNA to adenovirus for gene delivery", <i>Gene Therapy</i> (1997) 4:773-782	
		DAWSON, et al., "A Tobacco Mosaic Virus-Hybrid Expresses and Loses an Added Gene", <i>Virology</i> (1989) 172:285-292	
		DAWSON, et al., "cDNA cloning of the complete genome of tobacco mosaic virus and production of infectious transcripts", <i>Proc. Natl. Acad. Sci. USA</i> (1986) 83:1832-1836	
		DAWSON, et al., "Modifications of the tobacco mosaic virus coat protein gene affecting replication, movement, and symptomatology", <i>Mol. Plant Pathol.</i> (1988) 78(6):783-789	
		DONSON, et al., "Systemic expression of bacterial gene by a tobacco mosaic virus-based vector", <i>Proc. Natl. Acad. Sci. USA</i> (1991) 88:7204-7208	
		HAMAMOTO, et al., "A new tobacco mosaic virus vector and its use for the systemic production of angiotensin-I-converting enzyme inhibitor in transgenic tobacco and tomato", <i>Bio/Tech.</i> (1993) 11:930-932	
		HAYNES, et al., "Development of a genetically-engineered, candidate polio vaccine employing the self-assembling properties of the tobacco mosaic virus coat protein", <i>Bio/Tech.</i> (1986) 4:637-641	
		JADADISH, et al., "High level production of hybrid potyvirus-like particles carrying repetitive copies of foreign antigens in <i>Escherichia coli</i> ", <i>Bio/Tech.</i> (1993) 11:1166-1170	
		KORNREICH, et al., Swiss Prot accession number AGAL_HUMAN, January 1988	
		KREBBERS, et al., "Prospects and progress in the production of foreign proteins and peptides in plants", <i>Plant Protein Engineering</i> , Shewry, et al., Eds., Cambridge University Press, Cambridge (1992) pp. 316-324	
		MURRAY, "Lectin-specific targeting of lysosomal enzymes to reticuloendothelial cells", <i>Methods in Enzymology</i> (1987) 149:25, 39, 41-42	
DR		MURRAY, et al., "Production of Recombinant Human Glucocerebrosidase in Plants", <i>Fed. of American Soc. for Experimental Biology</i> , (April 1996) 10(6):a1126 <i>already considered in IDS of 9/17/04</i>	

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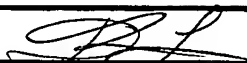
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		Group Art Unit	1652		
		Examiner Name	Delia M. RAMIREZ		
Sheet	3	of	3	Attorney Docket Number	LSBC-0087-CP07B

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DR		TAKAMATSU, et al., "Production of enkephalin in tobacco protoplasts using tobacco mosaic virus RNA vector", <i>FEBS Lett.</i> (1990) 269(1):73-76	
DR		TURPEN, et al., "Malarial epitopes expressed on the surface of recombinant tobacco mosaic virus", <i>Bio/Tech.</i> (1995) 13:53-57	
DR		YUSIBOV, et al., "Antigens produced in plants by infection with chimeric plant viruses immunize against rabies virus and HIV-1", <i>Proc. Natl. Acad. Sci. USA</i> (1997) 94:5784-5788	

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				Examiner Name	RAMIREZ, Delia M.
				Attorney Docket Number	LSBC-0087-CP07B
1	of	5			

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JR	.	BORK, "Powers and Pitfalls in Sequence Analysis: The 70% Hurdle", <i>Genome Research</i> (2000) 10:398-400	
	.	BOWIE, et al., "Diciphering the Message in Protein Sequences: Tolerance to Amino Acid Substitutions", <i>Science</i> (1990) 247:1306-1310	
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	.	BROUN, et al., "Catalytic plasticity of fatty acid modification enzymes underlying chemical diversity of plant lipids", <i>Science</i> (1998) 282:1315-1317	
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	.	ERICKSON, et al., "BioSynthesis of the Lysosomal Enzyme Glucocerebrosidase", <i>J. Bio. Chem.</i> , (1985) 260(26):14319-14324	
	.	FERRARI, et al., "Cloning and expression of a soluble sialidase from Chinese hamster ovary cells: sequence alignment similarities to bacterial sialidases", <i>Glycobiology</i> , (1994) 4(3):367-373	
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	.	FURBISH, et al., "Enzyme replacement therapy in Gaucher's disease: Large-scale purification of glucocerebrosidase suitable for human administration", <i>Proc. Natl. Acad. Sci.</i> , (1977) 71(8):3560-3563	
JR	.	FURBISH, et al., "Uptake and Distribution of Placental Glucocerebrosidase in at Hepatic Cells and Effects of Sequential Deglycosylation", <i>Biochemica et biophysica Acta.</i> , (1981) 673:425-434	

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		GRABOWSKI, et al., "Expression of Functional Human Acid β -glucosidase in COS-1 and <i>Sporoptera frugiperda</i> Cells", <i>Enzyme</i> , (1989) 41:131-142	
		GRACE, et al., "Analyses of catalytic activity and inhibitor binding of human acid β -glucosidase by site-directed mutagenesis", <i>J. Bio. Chem.</i> (1990) 265:6827-6835	
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		SCHATZLE, et al., "Molecular Cloning and Characterization of the Structural Gene Coding for the Developmentally Regulated Lysosomal Enzyme, α -Mannosidase, in <i>Dictyostelium discoideum</i> , <i>J. Bio. Chem.</i> (1991) 267(6):4000-4007	
		SCHULZ and SCHIRMER, "Principles of Protein Structure", (1979) pp. 14-16, Springer-Verlag, eds.	
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		TAKAMATSU, et al., "Expression of bacterial chloramphenicol acetyltransferase gene in tobacco plants mediated by TMV-RNA", <i>EMBO J.</i> , (1987) 6(2):307-311	
		THORNBURG, et al., "Wound-inducible expression of a potato inhibitor II-chloramphenicol acetyltransferase gene fusion in transgenic tobacco plants", <i>Proc. Natl. Acad. Sci.</i> (1987) 84:744-748	
		TSUJI, et al., "Nucleotide Sequence of cDNA Containing the Complete Coding Sequence for Human Lysosomal Glucocerebrosidase", <i>J. Bio. Chem.</i> (1986) 261(1):50-53	
		VANDEKERCKHOVE, et al., "Enkephalins Produced in Transgenic Plants Using Modified 2S Seed Storage Proteins", <i>Biotechnology</i> , (1989) 7:929-933	
		VIERSTRA, "Protein Degradation in Plants", <i>Annual Review of Plant Physiology and Plant Molecular Biology</i> (1993) 44:385-410, Annual Reviews, Inc., Palo Alto, California	
		VON FIGURA and HASILIK, "Lysosomal Enzymes and Their Receptors", <i>Ann. Rev. Biochem.</i> , (1986) 55:167-193	

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/602,220		
		Filing Date	6/23/2003		
		First Named Inventor	TURPEN et al.		
		Group Art Unit	1652		
		Examiner Name	RAMIREZ, Delia M.		
Sheet	5	of	5	Attorney Docket Number	LSBC-0087-CP07B

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	r ²
DR		WARNER, et al., "Photolabeling of the α -Neuraminidase/ β -Galactosidase Complex from Human Placenta with a Photoreactive Neuraminidase Inhibitor", <i>Biochem. and Biophys. Res. Comm.</i> (1990) 173(1):13-19	
I		WEISSENBORN, "HMG-CoA reductase and terpenoid phytoalexins: Molecular specialization within a complex pathway", <i>Physiologia Plantarum</i> , (1995) 93:393-400	
I		WELLS, "Additivity of Mutational Effects in Proteins", <i>Biochemistry</i> (1990) 29(37):8509-8517	
DR		WITKOWSKI, et al., "Conversion of a beta-Ketoacyl synthase to a malonyl decarboxylase by replacement of the active-site cysteine with glutamine", <i>Biochemistry</i> (1999) 38:11643-11650	

Examiner Signature		Date Considered	2/24/06
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